

AMENDMENTS TO THE SPECIFICATION

On page 13, please amend paragraph [0046] as follows:

--[0046] The application field of the symmetry quantification technique presented above is not restricted to gait study or even to human movements. In fact, the technique can be applied without modification to any movement where symmetry is expected – both in machines (such as humanoid robots) and in biological entities (humans, cats, cockroaches, etc.). The above example focused on gait, but the technique can also quantify symmetry in human arm movements, leg movements of quadruped animals, and, with proper adaptation, wing movement of birds or insects and fin movement of fishes and other aquatic creatures. This is accomplished because the method is based on the comparison of numerical kinematic (position) data of the two movements under study, usually from the left and right sides of the body, and does not depend on or make use of any assumption regarding the particular type of movement.--